

## ABSTRACT

A method to stereospecifically prepare a steroidal sapogenin or a derivative thereof by reducing a 3-keto,5 $\beta$ -H steroidal sapogenin with a hindered organoborane or an organo-aluminium hydride. A 3 $\beta$ -hydroxy,5 $\beta$ -H steroidal sapogenin or derivative thereof may be prepared by reducing the 3-keto,5 $\beta$ -H steroidal sapogenin using as reducing agent a relatively highly hindered organoborane reagent or by SN 2 inversion of a 3 $\alpha$ -hydroxy,5 $\beta$ -H steroidal sapogenin or derivative thereof. The organo-aluminium hydride may be used to prepare a 3 $\alpha$ ,5 $\beta$ -H steroidal sapogenin or derivative thereof. The invention provides a convenient route to useful steroidal sapogenins such as sarsasapogenin, episarsasapogenin, smilagenin, epismilagenin and esters thereof, from readily available or easily preparable starting materials (e.g. diosgenone, preparable from diosgenin).